

Work Order ID 144638

April 21, 2016 2:26:48 PM

144638

Page 1

Item ID: D5123-1 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: Clamp Cushion
 Start Date: 5/5/2016 Start Qty: 60.00 ***60*** Cust Item ID:
 Required Date: 5/19/2016 Req'd Qty: 60.00 ***60*** Customer:
 Reference:

Approvals: Process Plan: MCS Date: APR 22 2016 Tooling: _____ Date: _____ Run Start ***NR1***
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D5123	C								

100

0.00

100

Mill Conv

Conventional Milling Machine

Memo

1-Mill as per DWG

DWG REV: C

2-Deburr as required

12.00

60

Ø

J.C.L. 16-04-27

110

QC2- Inspect parts off machine FAI/FAIB

0.00

110

QC

Quality Control

Memo

1.20

60

Ø

J.C.L. 16-04-27

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
		OTHER : ☐							

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Page 2

Setup Start *NS1*

Stop *NS2*

60

Start Date: 5/5/2016 **Start Qty:** 60.00

Required Date: 5/19/2016 **Req'd Qty:** 60.00

Customer:

Reference:

Run Start *NR1*

Approvals: **Process Plan:** _____ **Date:** _____ **Tooling:** _____ **Date:** _____

Stop ***NR2***

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

120 QC8- Inspect parts - second check

0.00

120

OC

Memo

1.20

Quality Control

DAS

14

14/04/27

130 Identify as per dwg & Stock Location:

0.00

130

Packaging

Memo

0.60

Packaging

LOCATION : LG054

60 DAS
6
8-39

APR 29 2018

140 QC21- Final Inspection - Work Order Release

0.00

140

OC

Memo

6.00

Quality Control

ML5

MAY 02 2016

gym 16/04/20

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
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		OTHER : ☐							

Picklist Print

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Page 1
1

Work Order ID: 144638

144638

Parent Item: D5123-1

D5123-1

Parent Item Name: Clamp Cushion

Start Date: 5/5/2016

Required Date: 5/19/2016

Start Qty: 60.00

Required Qty: 60.00

Comments: IPP REV:A NEW ISSUE 14/08/08 JLM VERIFIED BY:RQ

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D4287-1		Manufactured	No				f	117.3540		25.89473			
D4287-1									**				
Uhmw U-Channel													

Location

Loc Qty

Loc Code

ST479a

117.354

140757

37.354

142563

80

18.135 J.C.-L. 16-04-26

DQA: _____ Date: _____



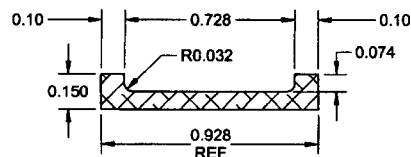
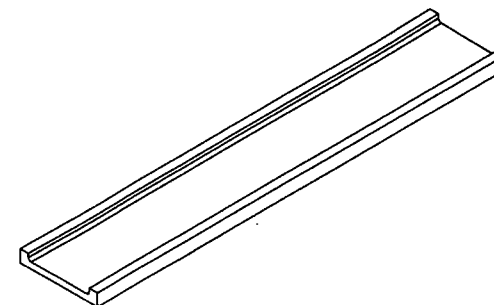
WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

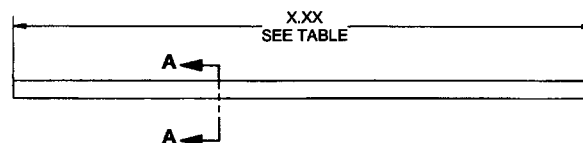
Work Order update only ☐

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8 7 6 5 4 3 2 1



SECTION A-A
SCALE 2X



D5123-Y CLAMP CUSHION

PART NUMBER	LENGTH X.XX (IN)
D5123-1	5.00
D5123-3	4.25
D5123-5	6.00
D5123-7	3.95



STOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO A REVISION
WITHOUT NOTICE
WORK ORDER
NO. 144638 MJS
160422

RELEASE

2015 MAR 18
ECN 15-547

- NOTES:**
- 1) MATERIAL: MAKE FROM D4287-1
 - 2) FINISH: NONE
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: IDENTIFY PER QSI 044 METHOD 6.7
 - 7) WEIGHT: LESS THAN 0.01 lbs

C	ADD D5123-7	CP	15.01.21
B	ADDED D5123-5 CLAMP CUSHION, ADDED TABLE, ADDED THICKNESS TO PART	AP	14.08.19
A	NEW ISSUE	AP	14.08.08
REV.	DESCRIPTION	BY	DATE
DESIGN	AP	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	CP		
CHECKED	AP	DRAWING NO.	REV. C
MFG. APPR.	JLM	D5123	SHEET 1 OF 1
APPROVED	HS	TITLE	SCALE
DE APPR.	DS	CLAMP CUSHION	NTS
DATE	15.01.21	COPYRIGHT © 2014 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR REPRODUCED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

APPROVED

8 7 6 5 4 3 2 1